

MV Controller Brush-Type Synchronous Starter

Bulletin 1912B • 300 amp.

Product Profile

Designed for Safety, Convenience and Reliability

The Allen-Bradley 1912B synchronous starter incorporates state-of-the-art technology in a space-saving, compact design suitable for brush-type synchronous motors for new or retrofit applications.

Standard Features

- Fixed-mounted 400 A vacuum contactor
- Non-load-break isolation switch, complete with fusing protection
- **SyncPro™** field application and protection relay
- Internal field discharge resistor
- Field applying pilot relays
- Compact design: 36-in. deep x 36-in. wide x 91-in. high (914 mm x 914 mm x 2311 mm)
- DC ammeter
- Solid-state field contactor
- Field adjustment potentiometer
- Single phase static exciter 125/250 V DC
4.5 to 13.0 kW



AB Spares



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Specifications

Input Voltage Ratings

- Voltage
– 2400 to 7200 Volts

Maximum Output Ratings

- 2400 V – 1,250 hp/930 kW
- 3300 V – 1,750 hp/1300 kW
- 4160 V – 2,000 hp/1490 kW
- 4800 V – 2,250 hp/1670 kW
- 6600 V – 3,000 hp/2250 kW
- 6900 V – 3,500 hp/2600 kW

Frequency

- 50/60 Hz

Delivery Program

- Pre-Eng II
- Engineered
(Contact Rockwell Automation for details.)

Enclosure

- NEMA Type 1 General Purpose
- NEMA Type 1/G General Purpose with gasket
- NEMA Type 12 Dust-Tight Industrial Use

Ambient Temperature

- Operating temperature:
0° C to 40° C (32° F to 104° F)
- Storage temperature:
-40° C to 85° C (-40° F to 185° F)

Humidity

- 5 to 95% (non-condensing)

Dimensions

- Width: 36 in. (914 mm)
- Depth: 36 in. (914 mm)
- Height: 91 in. (2315 mm)

Approximate Weight

- 1,770 lb (804 kg)

Rectifier Assembly

- Fully controlled single-phase SCR rectifier
- Input: 160 or 320 V AC
- Outputs: 125 V DC (105 A)
250 V DC (56 A)
- Static field application

Field Application and Protection

- **SyncPro™** (standard)
- Multilin SPM (optional)

Rectifier Transformer

- Ratings:
 - 5.5, 11, 16 kVA
 - Output: 160/320 V AC
 - Primary fusing protection

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Americas Headquarters, 1201 South Second Street, Milwaukee, WI 53204, USA, Tel: (1) 414 382-2000, Fax: (1) 414 382-4444
European Headquarters SA/NV, avenue Herrmann Debroux, 46, 1160 Brussels, Belgium, Tel: (32) 2 663 06 00, Fax: (32) 2 663 06 40
Asia Pacific Headquarters, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Medium Voltage Business, 135 Dundas Street, Cambridge, ON N1R 5X1 Canada, Tel: (1) 519 623-1810, Fax: (1) 519 623-8930
Web Site: www.ab.com/mvb

